

WHAT IS CLAIMED IS:

1. A fiber array in which bare fibers, as unjacketed, of a ribbon-shaped optical fiber multi-core line are arrayed in V-grooves of a V-shaped substrate,

wherein fibers for transmitting no optical signal are disposed on at least the outermost sides of the array of said bare fibers, and disposed over at least the entire length of the fiber array.

2. A waveguide device, in which a fiber array having bare fibers, as unjacketed, of a ribbon-shaped optical fiber multi-core line arrayed in V-grooves of a V-shaped substrate is optically connected to a waveguide chip and is sealed in a package,

wherein fibers for transmitting no optical signal are disposed on at least the outermost sides of the array of said bare fibers, and disposed from said fiber array to at least the inner face of the package for fixing the jackets.